

CLAIMS

1. A polytrimethylene terephthalate reinforced resin composition comprising 100 parts by weight of resin components consisting of 99.9 to 50 parts by weight of a polytrimethylene terephthalate resin (A1), 0 to 49.9 parts by weight of a thermoplastic resin (A2) and 0.1 to 20 parts by weight of an epoxy resin (B), and 5 to 300 parts by weight of a crystalline inorganic filler (C).
2. The polytrimethylene terephthalate reinforced resin composition according to Claim 1, wherein the composition comprises from 0.3 to 10 parts by weight of the epoxy resin.
3. The polytrimethylene terephthalate reinforced resin composition according to Claim 1 or 2, wherein the composition comprises a part of the resin components grafted on the crystalline inorganic filler in an amount from 0.01 to 5 parts by weight per 100 parts by weight of the crystalline inorganic filler.
4. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 3, wherein the composition comprises the epoxy resin in a part of the resin components not grafted on the crystalline inorganic filler in an amount from 0.1 to 20% by weight.
5. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 4, wherein the composition comprises from 2.5 to 29.7

parts by weight of the thermoplastic resin (A2).

6. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 5, wherein the thermoplastic resin (A2) is a polycarbonate resin.

7. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 6, wherein the crystalline inorganic filler is one or more inorganic fillers selected from the group consisting of wollastonite, talc, mica, kaolin, potassium titanate whiskers, calcium carbonate whiskers and barium sulfate.

8. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 7, wherein the crystalline inorganic filler is wollastonite.

9. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 8, further comprising a glass fiber (D) in an amount less than the amount of the crystalline inorganic filler (C).

10. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 9, wherein the composition comprises a part of the resin components grafted on the crystalline inorganic filler and on the glass fiber in an amount from 0.01 to 5 parts by weight per 100 parts by weight of the total of the crystalline inorganic filler and the glass

fiber.

11. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 10, wherein the polytrimethylene terephthalate resin has an intrinsic viscosity $[\eta]$ of 0.60 or more.

12. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 11, wherein the epoxy resin (B) is a novolac epoxy resin.

13. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 12, wherein the epoxy resin (B) is a novolac epoxy resin having an epoxy equivalent from 150 to 250 (/eq.).

14. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 11, wherein the epoxy resin (B) is a bisphenol A epoxy resin.

15. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 11 and 14, wherein the epoxy resin (B) is a bisphenol A epoxy resin having an epoxy equivalent from 600 to 3,000 (/eq.).

16. The polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 15, wherein the composition is produced by melt-kneading the polytrimethylene terephthalate resin (A1), the thermoplastic resin (A2) and the epoxy resin (B)

and then adding the crystalline inorganic filler (C) to the melt-kneaded mixture.

17. A molded article comprising the polytrimethylene terephthalate reinforced resin composition according to any one of Claims 1 to 16.

18. A molded article as a bath product, a washroom product, a toilet product or a sink product comprising the molded article according to Claim 17 as at least a part of constituent members thereof.

19. The molded article according to Claim 18, wherein the molded article according to Claim 17 is a washroom counter, a kitchen counter, a bathtub, a wash bowl, a hand-wash bowl, a toilet counter or a cabinet counter top.

20. The molded article according to any one of Claims 17 to 19, wherein a surface of the molded article has a Barcol hardness of 30 or more.